

10

ABSTRACT

An alternating current (AC) generator includes a casing or housing defining an accommodation space therein. A stator assembly is rigidly mounted in the accommodation space in the casing and includes stator slots and a 5-phase winding distributed through and among the stator slots. A rotor assembly is rotatably disposed inside the stator assembly and includes a plurality of pairs of opposed pole members. Pairs of pole members are configured for energization in opposite magnetic polarity. A plurality of rectifiers rectify output voltages generated by the 5-phase windings.